

PROFILE

Electrical controls and automation
Sales, supervisory, and business experience
Electrical Instructor
Oil and gas, and coal power plant, experience
Master Electrician: CO, TX, ND, and WY
Allen-Bradley and Siemens PLCs: Ladder, FBD, and ST
JavaScript, Python, and HTML
Bilingual: English and Spanish
Microsoft Office, CAD, electrical software, etc.

WORK HISTORY

02/2018 to Present - Thunder Creek Gas Services, LLC

Gillette, Wyoming

Position: **I&E Technician**

Description: Electrical Troubleshooting, PLC Programming, and Installation of electrical control and communications equipment for a midstream gas pipeline company. I work on reciprocating and screw compressor stations, and at their gas refrigeration plant in Wyoming.

2014 to Present - Rising Edge Services, LLC

Gillette, Wyoming

Position: **Owner**

2008 to Present - Gillette College

Gillette, Wyoming

Position: **Adjunct Instructor, Intermittent Part-Time**

Description: Teach electrical apprenticeship courses, based on the NCCER program, Mike Holt Electrical Books, and the National Electrical Code (NEC).

09/2012 to 05/2017 - Basin Electric Power Cooperative - Dry Fork Station

Gillette, Wyoming

Position: **Electrical and Instrumentation Technician**

Description: Preventative maintenance and troubleshooting. Worked on electrical controls, variable speed drives, CEMS, instrumentation, process gas monitors, communications equipment, valves, lighting, protective relays, breakers, Ovation DCS, coal conveyors, and PLCs. Read and used electrical diagrams and technical manuals. Used multimeters, oscilloscopes, electrical calibrators, signal generators, and power quality analyzers. And, used various hand tools, power tools, computers, lifting equipment, scaffolding, conduit benders, and ladders to troubleshoot, repair, and maintain instrumentation and electrical systems in a 450 MW coal power plant. Hauled out the trash, changed light bulbs, and cleaned the shop. Maintained accurate records of work. Used Microsoft Word, Excel, and Outlook. Trained coworkers on NFPA 70E standards and electrical safety.

04/2010 to 9/2012 - Weatherford International, Ltd.

Gillette, Wyoming

Position: **Electrical Supervisor and Technical Sales**

Description: Supervised electrical employees in the Gillette, Wyoming area. Sold oilfield controls, variable speed drives, and pumping equipment. Provided sales and technical support for the Production Optimization product line. Served as the Master of Record for Weatherford in Wyoming and North Dakota. Planned and installed electrical projects. Designed electrical installations, created accurate diagrams, and programmed PLCs for water injection plants. Worked on reciprocating rod lift, hydraulic lift, gas lift, submersible pumps and motors, progressive cavity pumps, variable speed drives (VSD, VFD), polymer injection facilities, flow measurement, and other oilfield equipment.

11/2008 to 2/2010 - Luca Technologies, Inc.

Gillette, Wyoming

Position: **Field Operations Project Lead**

Description: Supervised electrical and gas measurement contractors, maintained and installed electrical equipment. Worked on well restoration systems in Wyoming and Utah including, water injection pumps, chemical pumps, flow controls, water and gas flow measurement, and power distribution systems.

EDUCATION

University of Mary, Bismarck, North Dakota, MBA in Management

St. Olaf College, Northfield, Minnesota, BA in History

Shattuck-St. Mary's School, Faribault, Minnesota, Diploma, High School

PROFESSIONAL DEVELOPMENT

Danfoss

VLTR® Service Partner Certification Course, Loves Park, Illinois, August 2017

AVO Training Institute

Circuit Breaker Maintenance, Low Voltage, Norristown, Pennsylvania, December 2015

Microprocessor-Based Relay Testing (Industrial), Dallas, Texas, October 2015

Teledyne Monitor Labs, CEMS, Emissions Monitors, Gillette, Wyoming, May 2015

Trane, Tracer Summit Advanced Operation Course, Gillette, Wyoming, May 2014

e-Hazard, NFPA 70E, Train the Trainer Course for Low and High Voltage, Gillette, Wyoming, 2013 and 2015.

Lorn Joseph MacIlravie
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Emerson Controls (Ovation DCS) OVS-215-WIN, Pittsburgh, PA, January 2013

Control MicroSystems (ScadaPack) TelePACE, RealFLO, and Hardware Training, Denver, CO, December 2010

Yaskawa America, Inc.

Hands-On Troubleshooting for AC Drives, Waukegan, IL, September 2010

Weatherford International, Ltd.

Supervisory Development Program, Denver, CO, August, 2010

Human Resources for the Non-HR Manager, Denver, CO, October 2011

Electrical Apprenticeship: I worked for licensed electrical contractors in Colorado and Wyoming. I took the state required apprenticeship courses at Gillette College.

OTHER

Amateur Extra Class (Ham Radio), and Volunteer Examiner, WY7LM

TWIC

Web site: <https://www.risingedgeservices.com>